

# **MODIS TECHNICAL TEAM MEETING**

**September 9, 1994**

The MODIS Technical Team Meeting was chaired by Vince Salomonson. Present were Janine Harrison, Bill Barnes, Dick Weber, David Herring, Yoram Kaufman, Al Fleig, Dorothy Hall, Locke Stuart, and Wayne Esaias.

## **1.0 SCHEDULE OF EVENTS**

<b>Sept. 15</b>	<b>533Q Financial Reports due to Teresa Mautino</b>
<b>Sept. 20 - 22</b>	<b>SDST Simulation Data Workshop, Flathead Lake, MT</b>
<b>Oct. 11</b>	<b>Calibration Working Group, Holiday Inn, College Park, MD</b>
<b>Oct. 12 - 14</b>	<b>MODIS Science Team Meeting, Holiday Inn, College Park, MD</b>
<b>Oct. 15</b>	<b>Quarterly Technical Report for July-Sept. due to Barbara Conboy</b>
<b>Oct. 17 - 18</b>	<b>Oceans Productivity Working Group, Greenbelt Marriott Hotel</b>

## **2.0 MINUTES OF THE MEETING**

### **2.1 Team Leader Announcements**

Salomonson began the meeting with the announcement that Hughes is reportedly planning to reorganize its corporate structure and that the MODIS Team must follow these actions closely because of their potential impact on MODIS.

Salomonson stated that SDST should continue to interact with EOSDIS Project to convey the MODIS Teams' requirements to them, as well as get input from EOSDIS Project to assist in planning MODIS product production planning.

Salomonson noted that SeaWiFS is nominally scheduled to launch May 31, 1995 aboard the Seastar satellite. He said that Seastar is important to MODIS in the sense that it will offer a MODIS simulation set of data. This role of Seastar relative to MODIS is enhanced given that SeaWiFS will be able to gather useful data over land and clouds.

### **2.2 MODIS Project Reports**

Weber told the Team that SBRC's plan is to test the MODIS Engineering Model (EM) in a thermal vacuum at only one temperature. Weber said that he discussed the issue recently with Chris Scolese, EOS AM Project Manager,

and they concluded that SBRC should test the EM at two temperatures—room temperature and the maximum hot temperature.

Fleig observed that there is a tendency to collect data at room temperature, then warm the instrument and collect data again. He feels it would be better to continue collecting data while the instrument is being warmed. Barnes responded that this is being requested.

Weber announced that there will be a Quarterly Management Review (QMR) at SBRC during the week of Sept. 12. John Barker, Ed Knight, Harry Montgomery, and Peter Abel will be there, but Bruce Guenther and Bill Barnes have other commitments.

#### 2.2.1 Rolling EOS AM-1 to View the Moon

Weber reported that he attended a meeting regarding maneuvers to allow EOS PM-1 instruments to view the moon. He said they discussed implementing a requirement to roll EOS PM-1 25 degrees so that MODIS will view the moon at 45 degrees off of nadir.

Weber stated that there is concern regarding what effect the roll will have on the EOS instruments, especially MODIS. He explained that as the scan cavity swings from its view of the Earth toward the moon, it will radiatively cool the entire sensor. The radiative cooler will not be disturbed. Esaias stated that we should take data as the temperature of the scan cavity changes.

### **2.3 SDST Reports**

Fleig reported that he received responses from the MODIS Discipline Groups and they will each have representatives at the SDST synthetic data workshop on Sept. 20 - 22.

Fleig stated that SDST is still making progress on reviewing the ATBDs to understand the connections between various Team Members' products. Salomonson added that he has seen the ATBD Panel Reviewers' reports and the MODIS Team overall fared pretty well but a lot still has to be accomplished. He noted that those Team members receiving an A or B must submit their revisions by Nov. 1, 1994, and those receiving a C must submit revisions by Dec. 1. Eventually, Michael King, EOS Senior Project Scientist, plans to make ATBDs available to the public via the World Wide Web.

### **2.4 MAST Reports**

Stuart distributed a list of the MODIS Science Teams' anticipated accomplishments—SCI and SCF—for each year from 1994 to 2000 (see Attachment 1). This digested list of accomplishments were compiled to meet overall Team reporting requirements issued by the Project.

## **3.0 ACTION ITEMS**

### **3.1 Action Items Carried Forward**

1. *MODIS Team*: Determine how, given the MODIS bowtie effect, MODIS images will be produced at launch.
2. *Science Team*: Provide information to Salomonson regarding the significance of the timing error issue.
3. *Fleig and Ungar*: Interact with the group leaders prior to developing a MODIS data simulation plan for review at the next Science Team Meeting, due Sept. 16. [Revised date.]

## **4.0 ATTACHMENTS**

**NOTE: All attachments referenced below are maintained in MODARCH and are available for distribution upon request. Please contact Barbara Conboy, MODIS Communications Manager, at (301) 286-5411, Code 920, NASA/Goddard Space Flight Center, Greenbelt, MD 20771 if you desire copies of any attachments.**

1. MODIS Science Team Anticipated Accomplishments (SCI and SCF), by Locke Stuart